

Title (en)  
SYSTEM FOR DIGITIZING POSITION AND ORIENTATION INFORMATION OF HIP JOINT IMPLANT COMPONENTS

Title (de)  
SYSTEM ZUR DIGITALISIERUNG DER POSITION UND ORIENTIERUNG VON INFORMATIONEN ÜBER KOMPONENTEN EINES HÜFTGELENKS

Title (fr)  
SYSTEME DESTINE A LA NUMERISATION D'INFORMATIONS RELATIVES A LA POSITION ET A L'ORIENTATION DE COMPOSANTS D'UNE PROTHESE DE LA HANCHE

Publication  
**EP 1662997 A1 20060607 (EN)**

Application  
**EP 04761801 A 20040907**

Priority  
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• CA 2439850 A 20030904

Abstract (en)  
[origin: WO2005023110A1] A device (10,10',20,20') for digitizing a center of rotation of a hip joint implant component (A,F) with respect to a bone element in computer-assisted surgery. The device (10,10',20,20') comprises a detectable member (12,22) trackable for position and orientation by a computer-assisted surgery system (30). A body (11,21) is connected to the detectable member (12,22) in a known geometry. The body (11,21) has a coupling portion (14,14',24,25) adapted to be coupled to the hip joint implant component (A,F) in a predetermined configuration. The center of rotation of the hip joint implant component (A,F) is calculable in the predetermined configuration as a function of the known geometry and of the position and orientation of the detectable member (12,22).

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**A61B 5/103**; **A61F 2/30**

IPC 8 full level  
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CPC (source: EP US)  
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